

Application No.: 10/087,116

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Docket No.: 146712006500

**AMENDMENTS TO THE SPECIFICATION****1. Please replace paragraph [0006] as follows:**

Figure 1 shows the general relationship between bearing stiffness and disk rotational velocity of a disc drive FDB motor. It charts the inverse of stiffness (e.g., microinches per 1-g excitation),  $1/k$ , vs. the frequency,  $f$ , of rotation for two different bearings. The top curve 10 shows the profile of a relatively loose bearing. The bottom curve 20 shows the profile of a stiffer bearing. Both have peaks, 12 and 22 respectively, and at approximately half the frequency of rotation of the motor.

**2. Please add the following paragraphs after paragraph [0018]:**

[0018.1] FIG. 5 is a flow diagram illustrating a method for increasing FDB bearing stiffness, according to one embodiment of the present invention.

[0018.2] FIG. 6 is a flow diagram illustrating a method 600 for increasing FDB bearing stiffness, according to another embodiment of the present invention.

**3. Please replace paragraph [0030] of the Specification as follows:**

FIG. 5 is a flow diagram illustrating a method 500 for increasing FDB bearing stiffness, according to one embodiment of the present invention. The method 500 is initialized at step 502 and proceeds to step 504, where the method 500 commences to servo write process. In step 506, the method 500 reduces Alternatively, reducing the temperature of the disk drive during servo write may increase FDB bearing stiffness. This reduced temperature increases the viscosity of the bearing's fluid, which thereby increases bearing stiffness. The method 500 terminates at step 508.

**4. Please replace paragraph [0031] of the Specification as follows:**

FIG. 6 is a flow diagram illustrating a method 600 for increasing FDB bearing stiffness, according to another embodiment of the present invention. The method 600 is initialized at step 602

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and proceeds to step 604, where the method 600 commences the servo write process. In step 606, the method 600 increases ~~Bearing stiffness may also be increased, as shown in Figure 1, by~~ increasing the rotational velocity of the motor during servo write. The method 600 terminates at step 608.

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